

JOB VACANCY ANNOUNCEMENT

Assistant Professor at Advanced Technology Center (ATC), National Astronomical Observatory of Japan (NAOJ)

NAOJ has a position open for Assistant Professor who leads research and development of optical and infrared astronomy and instrumentation. We expect applications from scientists and engineering scientists who are willing to actively take on new challenges in this field.

1. Job Title/Position: Assistant Professor, one position

2. (1) Division: Advanced Technology Center (ATC)

(2) Work Location: Mitaka, Tokyo 181-8588, Japan

3. Area of Expertise: Optical and infrared astronomy and instrumentation, and/or related fields

4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been playing a key role at the forefront of global astronomical research, as demonstrated in the construction and operation of large-scale astronomical facilities such as the Subaru Telescope, ALMA, and TMT (Thirty-Meter Telescope) and the development of space-based instruments such as the Hinode Satellite for solar observation, and strives to promote cutting-edge astronomy utilizing these advanced telescopes. The NAOJ Advanced Technology Center (ATC), the research center for developing advanced technology to support these important astronomical programs, has produced successful results in developing various astronomical instruments.

We invite applications for an assistant professor position at the ATC. This position is open to qualified individuals who will work as research staff at the ATC to develop next-generation instrumentation, especially the on-going ground-based instrument development program, Ultra-wide Laser Tomographic Imager and MOS (multi-object spectrograph) with AO for Transcendent Exploration (ULTIMATE) for Subaru Telescope project. A successful candidate for this position is expected to:

- (1) lead development activities of the wide-field near-infrared camera WFI (Wide-Field Imager) of ULTIMATE as a project manager,
- (2) co-lead systems engineering activities of the ULTIMATE project, and
- (3) foster young scientists, engineers and technicians including PhD's students through these activities.

In addition to above, the successful candidate will also be expected to identify and advance promising technology areas at the ATC that can exert international competitiveness in large-scale projects in the 2030s.

As required qualifications for this position, applicants are expected to have skills in the field of optical and infrared astronomy and instrumentation. Additionally, experience in leading instrumentation development or in systems engineering will be given extra consideration.

5. Terms of Appointment:

The successful candidate is expected to start the job as early as reasonably possible after accepting the job offer. The term of employment will continue up to the end of the Japanese academic year, in which the post-holder reaches NAOJ's mandatory retirement age of 65. The hired candidate will undergo a six-month probationary period upon commencement of employment.

A review for the continuation of employment as an assistant professor will occur during the fifth year. In case that the review may result that the successful candidate couldn't have fulfilled duties as an assistant professor enough, the successful candidate would be requested to transfer to another position within NAOJ.

6. Qualification Requirements:

- (1) Ph.D. or equivalent.
- (2) To have a proven track record of achieving internationally recognized research in the field of expertise through peer-reviewed publications in relevant journals.
- (3) Experience as the lead or as a key member of a development team for large-scale astronomical projects will be highly evaluated.
- (4) To have a native-level proficiency of Japanese and a good English command.

7. Required Application Materials: (*To be prepared in English. Any other language will not be accepted.)

- (1) A cover letter;
- (2) A curriculum vitae;
- (3) Publications list (Separate refereed and non-refereed papers. SPIE can be included in refereed papers.);
- (4) A summary of your past research activities, including international collaborations;
- (5) Your commitment and plan to fulfill the duties (including your research plan as needed);
- (6) Your contact address (email and phone) and the email address of your current supervisor or line manager.
- (7) Three or more reference letters. Reference letters should be written by faculty/staff with tenured positions. Reference letters from multiple countries are preferred. Please ask your references to upload the letters directly to the URL indicated in 9 before the deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.

8. Application Deadline: 2024-3-27, 12:00 (noon) (Japan Standard Time)

9. Application Instructions:

9.1. How to Submit an Application:

Applicants are required to apply via the NAOJ Nextcloud on the web.

- (1) Please access the following URL for registration:

<https://forms.office.com/r/d48dVdLY2R>

- (2) After you submit the registration form, you will receive an email showing the URLs for

- (a) uploading your application documents and
- (b) your reference letters.

- (3) Please ask your references to upload their letters via the URL shown in (2)(b).

- (4) Please upload the application documents (from 7. (1) through (6) above) via the URL (2)(a). These files must be in PDF format (max 50 MB each, 100 MB in total, at most 10 files).

9.2. Contacts:

- (1) If you have any questions related to the job description, contact;

Email: masayuki.hirabayashi_AT_nao.ac.jp (replace _AT_ with @)

Attention to: Hirabayashi, Masayuki, Director of Advanced Technology Center,

NAOJ,

Subject: "Question on Assistant Professor at the NAOJ ATC"

(2) If you have any questions related to other items, contact;

E-mail: job04-assistantprof_AT_ao.ac.jp (replace _AT_ with @)

Subject: "Question on Assistant Professor at the NAOJ ATC"

10. Notes for application:

- (1) Candidates selected in the final shortlist may be interviewed by the selection committee either in person or online. NAOJ will not cover any expenses associated with the interview.
- (2) If the selection committee determines that there are no qualified candidates for this position, this announcement may be closed without any selections.

11. Working Conditions:

- (1) Work Type and Work Hours: The Discretionary Labor System for Professional Work shall be applied.(standard work hours: 38.75 hrs/week, from 8:30 to 17:15 with an hour intermission)
- (2) Holidays: Saturdays and Sundays, National Holidays, New Year holidays (December 29th-January 3rd), Annual paid leave, Summer holidays, Bereavement leave, etc.
- (3) Social Insurance: MEXT Mutual Aid Association (health insurance), Employees' Pension Insurance, Employment Insurance, Industrial Accident Compensation Insurance

(4) Remuneration:

Salary: Annual salary shall be determined based on professional knowledge, skills, required education, and job experiences as per the NINS regulations (NINS, or the National Institutes of Natural Sciences, is an upper-level organization that manages NAOJ). Payments will be made monthly in 12 equal installments.

Allowances: Dependent allowance, residential allowance, commutation allowance, and other allowances will be paid to employees who meet the conditions outlined in the NINS regulations. An amount equivalent to the year-end allowance and diligence allowance will be included in the annual salary.

Salary Increment: Once a year in accordance with the performance review

Retirement Allowance: Provided

Travel and relocation: Eligible employees will be provided with a relocation travel package to NAOJ, subject to the travel regulations of NINS (details must be arranged with the administration office).

12. Miscellaneous:

- (1) The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- (2) This position is subject to the NINS Employee Regulations. The annual salary schedule indicated in Table (2) of the Research-Education Employee Base Annual Salary shall be applied to this position.
- (3) Policy for Equal Employment Opportunity: Abiding by the Equal Employment Opportunity Act for Men and Women, NAOJ is committed to realizing a society with gender equality. If two candidates are deemed equal in their performance evaluation, NAOJ will take positive action to employ women.
If you have taken a leave(s) for maternity, childcare, and family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance.
For details, see <https://www2.nao.ac.jp/~open-info/gender-equality/en/>
- (4) Smoking is prohibited on the premises excluding designated outdoor smoking areas.
- (5) Information submitted in your application documents will not be used for any purpose other than the selection process and for contacting you with necessary notices in connection with the selection. Once the selection process is complete, we will securely dispose of all application documents and personal information except those submitted by the successful candidate.

13. Recruiting Institution:

Inter-University Research Institute Corporation, National Institutes of Natural Sciences (NINS), National Astronomical Observatory of Japan (NAOJ)